FIG. 1

1

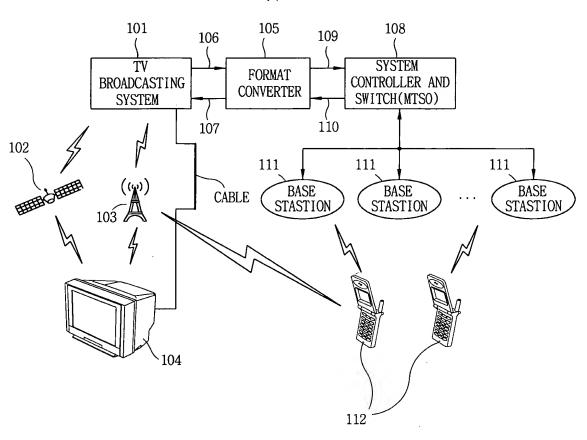


FIG. 2

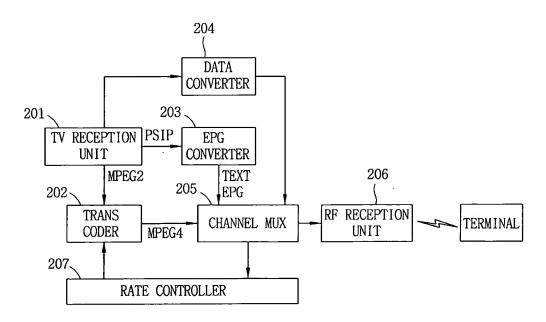


FIG. 3

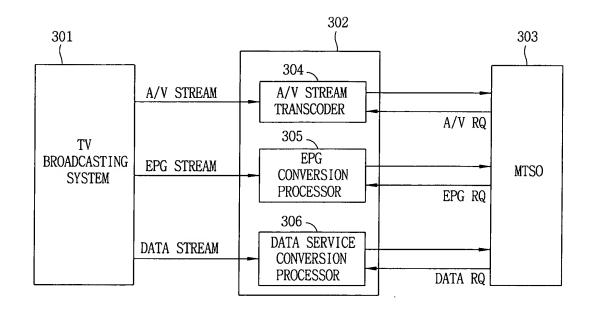


FIG. 4

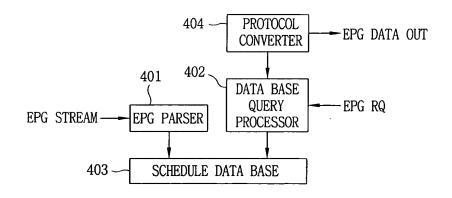


FIG. 5A RESOURCE INPUT DTV SIGNAL PROCESSING UNIT TUNER 502-508~ 507~ MEDIA STORAGE 502B~ 1502C~ 502A-DE MULTIPLEXER DEMODULATOR 506 MPEG DECODER MPEG TP DISK ARRAYS MPEG FILE I/O MPEG RECORDER FILTER FILE 501 TRANSCODER DATA DECODER MPEG4 BIT STREAM CONTROL DATA PROCESSING AND CONVERTING UNIT TRANSCODER AND TRANSMISSION UNIT 513 TRANSCODER CONTROL DECODER DECODER 509 RATE DATA EPG 516 . 510 504 514 SYNCHRONIZATION PRESENTATION ENGINE SYNCHRONOUS CAROUSEL PIPE DATAGRAM MEDIA 517. MOBILE COMMUNICATION NETWORK WIRELESS STREAMING 515 PROTOCOL CONVERSION DATA PROTOCOL WIRELESS 503

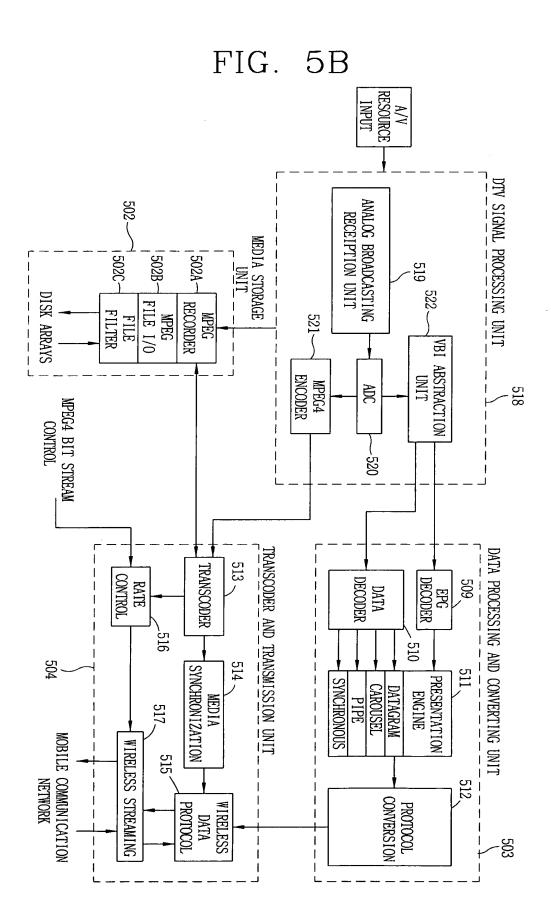


FIG. 6

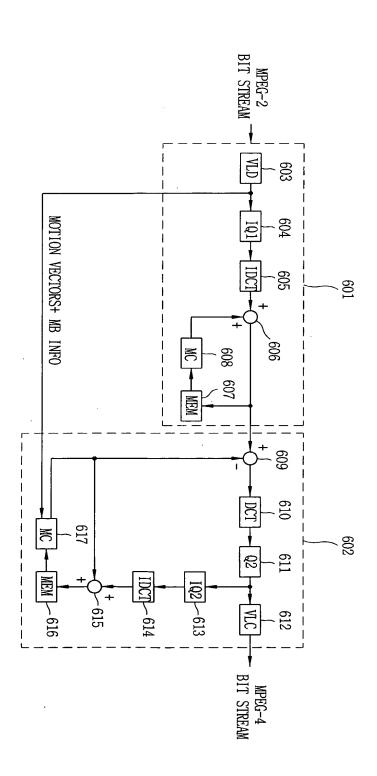


FIG. 7

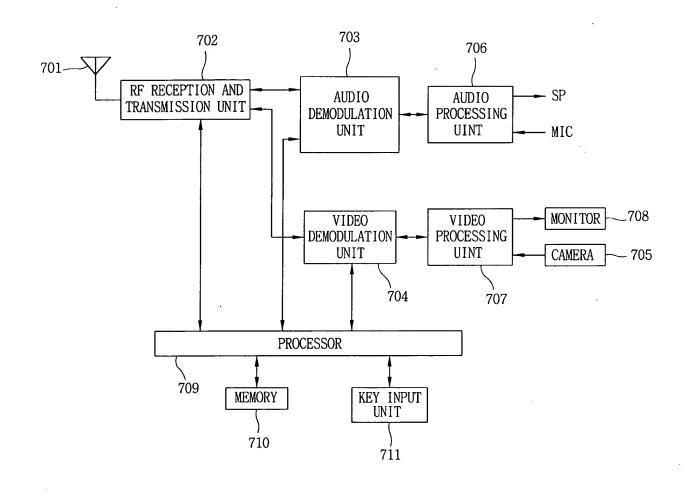


FIG. 8

